

B680H



Automatic 24V Hybrid Barrier



Max beam length

2 - 8 m

Opening time

1,5 - 6 s

Use frequency

Continuous use

- 2,000,000 cycles thanks to the Brushless + Hydraulic motor and "unlimited" springs.
- Removable cabinet available in 4 colours or stainless steel.
- High logistic optimization: a single barrier model suitable for all lengths.



Watch the video
vimeo.com/faacgroup/b680h-en



DIMENSIONS AND TECHNICAL SPECIFICATIONS

| Model | B680H |
|-------------------------------|--|
| Power supply voltage | Switching: 100 ÷ 240V~ 50/60 Hz |
| Motor | Brushless 36V --- |
| Motor rotation speed | 1000 ÷ 6000 rpm |
| Max. power | 240 W |
| Motor-pump unit capacity | 3.2 lpm |
| Material type | Steel |
| Type of treatment | 100 micron protective primer + polyester painting or stainless steel cabinet |
| Encoder | Magnetic absolute encoder |
| Type of deceleration | Electronic - via encoder |
| Type of beam | Round |
| Operating ambient temperature | -20°C ÷ +55°C |
| Protection class | IP56 (TÜV certified) |
| Weight | 85 Kg (65 Kg pillar + 20 Kg cabinet) |
| Type of oil | FAAC HP OIL |
| Dimensions (LxDxH) | 469 x 279 x 1100 mm |
| Beam max length | 2 ÷ 8 m |
| Opening time | 1,5 s (90° - 2m) - 6 s (90° - 8m) |
| Use frequency | 100% |
| Electronic equipment | E680 |

FAMILY MODELS

| Model | Item code |
|------------------------------|-----------|
| B680H Load-Bearing Structure | 104680 |

PACKS

B680H includes: barrier cabinet with electronic equipment and absolute encoder, hydraulic drive transmission system, installation accessories, triangular release key.
DOES NOT include beam bracket, balancing spring (sold together with another code) and the cabinet.

Typical Installation Examples page. 342

ELECTRONIC CONTROL UNITS



E680 electronic control unit
 Info at page 155

63000128

CABINETS



Red cabinet RAL 3020

416016



Cabinet Blue RAL 5011

416017



Cabinet White RAL 9010

416018

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Cabinet Grey RAL 9006

416019



Stainless steel cabinet

416020

PIVOTING ROUND BEAMS AND SPECIFIC ACCESSORIES



Pivoting round beams

| Length (mm) | Item code |
|-------------|-----------|
| 2.500 | 428175 |
| 3.000 | 428176 |

It is not possible to install skirt kits, end foot and fork on the new round pivoting beams.



Beam bracket for pivot round beam - (STAINLESS STEEL)

428163



S Spring (required for pivoting round beams)

63000169

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Break-in sensor for pivoting round beams

390828

BEAMS S: UP TO 5 M PASSAGE WIDTH



Pocket and balancing S spring

428436

Accessories for round beams S based on the effective span of the passage

| | Lights | Skirt | End foot |
|--|--------|-------|----------|
| up to 4.5 m | X | X | X |
| from 4.5 m to 5 m | X | | |
| from 4.5 m to 5 m modular (with collar assembly) | | | |

- All beams are provided with protective rubber on the lower side and provision for lights on the upper side. The adhesive reflectors are not included.
- The beam profiles have a 75 mm round section in order to be effective also in windy areas.
- The joint of the modular beams is invisible after installation.

WHOLE BEAMS S



| Model | Item code |
|--------------------|-----------|
| Whole Beam S 2.3 m | 428045 |
| Whole Beam S 3.3 m | 428042 |
| Whole Beam S 4.3 m | 428043 |
| Whole Beam S 5.3 m | 428044 |

MODULAR BEAMS S



| Model | Item code |
|----------------------|-----------|
| Joint S | 428615 |
| Initial Beam S 2.3 m | 428045 |
| Initial Beam S 3.3 m | 428042 |
| Final Beam S 2 m | 428046 |

BEAMS L: FROM 5 M UP TO 8 M PASSAGE WIDTH



Pocket and balancing L spring

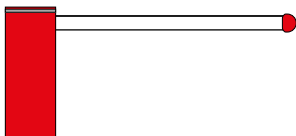
428437

Accessories for round beams L based on the effective span of the passage

| | Lights | Skirt | End foot |
|-------------------|--------|----------------------|-------------------|
| from 5 m to 7 m | X | X | X |
| from 7 m to 7.5 m | X | X (without end foot) | X (without skirt) |
| from 7.5 m to 8 m | X | | X |

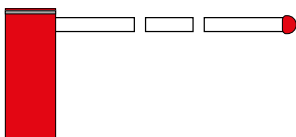
- All beams are provided with protective rubber on the lower side and provision for lights on the upper side. The adhesive reflectors are not included.
- The beam profiles have a 85 x 95 mm elliptical section in order to be effective also in windy areas.
- The joint of the modular beams is invisible after installation.

WHOLE BEAMS L



| Model | Item code |
|--------------------|-----------|
| Whole Beam L 5.3 m | 428047 |

MODULAR BEAMS L



| Model | Item code |
|--------------------|-----------|
| Joint L | 428616 |
| Initial Beam L 4 m | 428048 |
| Final Beam L 2.3 m | 428049 |
| Final Beam L 3.3 m | 428050 |
| Final Beam L 4.3 m | 428051 |

COMMON ACCESSORIES FOR ALL APPLICATIONS



Foundation plate

490139



Skirt kit length 2 m

428441



Skirt kit length 3 m

428446



Adjustable fork for beam support

428806



Support plate for fork

737621



Adjustable end foot for beam support

428805

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Articulated kit for round beam S (max 4 m)

428444



Integrated flashing traffic light ♦

410033



Beam light connection kit

390992



Luminous cord 12 m pack

390993



XBAT 24 emergency battery kit

390923



XBAT connection kit (to be ordered with 390923)

390080

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Adhesive reflector kit (6 pcs.)

490117



Supplementary triangular release key (10 pcs. pack)

713002



Release lock with customised key

71209101-10



Anti-vandal valve protects the hydraulic system if the beam is forced

401069



Anti-panic unit ♦

401051

NOTE

- ♦ It is also possible to connect the XLED external flashing light
- ♦ The anti-panic unit and the anti-vandal valve cannot coexist on the same barrier. It allows manual opening of the beam in case of power cut.

OTHER ACCESSORIES

Key operated buttons
page 172

Safety devices
page 183

Transmitters and receivers
page 164

Photocells and columns
page 180

Flashing lights
page 191

Various accessories
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